

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US2004/026431A CLASSIFICATION OF SUBJECT MATTER
IPC 7 A61K39/02 A61K39/385 A61K39/39

According to International Patent Classification (IPC) or to both national classification and IPC

B FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, EMBASE, PAJ, WPI Data

C DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
X	LEE C-J: "Quality control of polyvalent pneumococcal polysaccharide-protein conjugate vaccine by nephelometry" BIOLOGICALS, ACADEMIC PRESS LTD., LONDON, GB, vol. 30, no. 2, June 2002 (2002-06), pages 97-103, XP002330498 ISSN: 1045-1056 figure 1	1-14
Y	US 4 356 170 A (JENNINGS ET AL) 26 October 1982 (1982-10-26) example 1 ----- -/-	1-14

☒ Further documents are listed in the continuation of box C☒ Patent family members are listed in annex

* Special categories of cited documents

"A" document defining the general state of the art which is not considered to be of particular relevance

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"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

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"X" document of particular relevance, the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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Date of the actual completion of the international search

24 October 2005

Date of mailing of the international search report

04/11/2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>BARTOLONI ANTONELLA ET AL: "Immunogenicity of meningococcal B polysaccharide conjugated to tetanus toxoid or CRM197 via adipic acid dihydrazide" VACCINE, vol. 13, no. 5, 1995, pages 463-470, XP004057721 ISSN: 0264-410X figure 2</p>	1-14
Y	<p>SHAHER D E ET AL: "Activation of soluble polysaccharides with 1-cyano-4-di methyl aminopyr idiniu m tetrafluoroborate (CDAP) for use in protein-polysaccharide conjugate vaccines and immunological reagents. II. Selective crosslinking of proteins to CDAP-activated polysaccharides" VACCINE, BUTTERWORTH SCIENTIFIC. GUILDFORD, GB, vol. 18, no. 13, January 2000 (2000-01), pages 1273-1281, XP002330499 ISSN: 0264-410X paragraph '03.41</p>	1-14
A	<p>MULARD L ET AL: "Vaccins polyosidiques" ANNALES DE L'INSTITUT PASTEUR ACTUALITES, vol. 12, no. 2, May 2002 (2002-05), pages 37-54, XP004476966 ISSN: 0924-4204 the whole document</p>	1-14

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 4356170 A	26-10-1982	CA 1181344 A1	22-01-1985